

CTGS53F Series

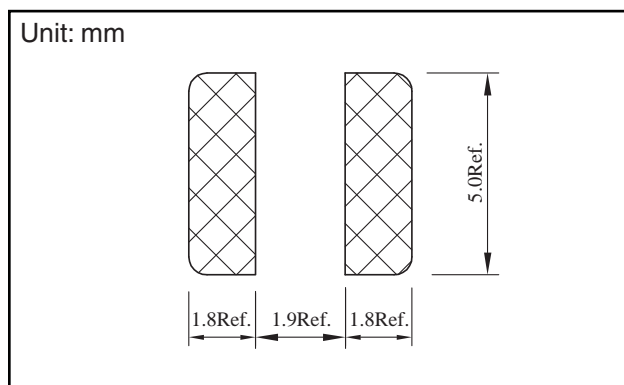
From 10 μ H to 15000 μ H



CHARACTERISTICS

- Description:** SMD power inductor.
- Applications:** LCD televisions, PC notebooks, portable communication equipment, camcorders, car radios, DC/DC converters, etc.
- Operating Temperature:** -40°C to +125°C (temp. rise included)
- Testing:** Inductance is tested on an HP4284A at specified frequency.
- Packaging:** Tape & Reel.
- Marking:** Marked with inductance code.
- IDC:** Based on $\Delta L/LOA=10\%$ max. and temp. rise 40°C max.
- Miscellaneous:** RoHS Compliant.
- Additional Information:** Additional electrical & physical information available upon request.
- Samples available.** See website for ordering information.

PAD LAYOUT



SPECIFICATIONS

Part numbers indicate available inductance tolerance.
J = $\pm 5\%$, K = $\pm 10\%$, M = $\pm 20\%$

Part Number	Inductance (μ H)	Q Ref.	L Test Freq. (kHz)	Q Test Freq. (.Hz)	SRF Nom. (MHz)	DCR Max. (Ω)	IDC Max. (A)
CTGS53F-100M	10	20	1.0	2.520M	30.0	0.130	1.300
CTGS53F-120M	12	20	1.0	2.520M	29.0	0.160	1.200
CTGS53F-150M	15	20	1.0	2.520M	27.0	0.190	1.050
CTGS53F-180M	18	20	1.0	2.520M	24.0	0.210	0.950
CTGS53F-220M	22	20	1.0	2.520M	22.0	0.280	0.900
CTGS53F-270M	27	20	1.0	2.520M	20.0	0.320	0.800
CTGS53F-330K	33	15	1.0	2.520M	17.5	0.380	0.700
CTGS53F-390K	39	15	1.0	2.520M	17.0	0.420	0.650
CTGS53F-470K	47	20	1.0	2.520M	14.0	0.600	0.600
CTGS53F-560K	56	20	1.0	2.520M	13.0	0.710	0.500
CTGS53F-680K	68	20	1.0	2.520M	12.0	0.760	0.450
CTGS53F-820K	82	15	1.0	2.520M	10.0	0.880	0.420
CTGS53F-101K	100	40	1.0	0.796M	8.50	1.600	0.400
CTGS53F-121K	120	40	1.0	0.796M	8.00	1.700	0.370
CTGS53F-151K	150	40	1.0	0.796M	7.20	2.000	0.330
CTGS53F-181K	180	40	1.0	0.796M	6.90	2.300	0.300
CTGS53F-221K	220	35	1.0	0.796M	6.20	2.500	0.250
CTGS53F-271K	270	35	1.0	0.796M	5.70	2.900	0.230
CTGS53F-331K	330	30	1.0	0.796M	5.30	3.300	0.210
CTGS53F-391K	390	30	1.0	0.796M	4.90	3.700	0.190
CTGS53F-471K	470	30	1.0	0.796M	4.60	4.900	0.180
CTGS53F-561K	560	30	1.0	0.796M	4.20	5.700	0.160
CTGS53F-681K	680	30	1.0	0.796M	3.90	7.500	0.140
CTGS53F-821K	820	40	1.0	0.796M	3.30	10.000	0.120
CTGS53F-102K	1000	40	1.0	0.252M	3.10	11.500	0.110
CTGS53F-122J	1200	40	1.0	0.252M	3.00	12.000	0.063
CTGS53F-152J	1500	40	1.0	0.252M	2.40	13.000	0.059
CTGS53F-182J	1800	40	1.0	0.252M	2.20	15.000	0.055
CTGS53F-222J	2200	40	1.0	0.252M	2.30	22.000	0.053
CTGS53F-272J	2700	40	1.0	0.252M	2.10	26.000	0.050
CTGS53F-332J	3300	40	1.0	0.252M	1.90	38.000	0.045
CTGS53F-392J	3900	40	1.0	0.252M	1.50	40.000	0.042
CTGS53F-472J	4700	40	1.0	0.252M	1.40	48.000	0.040
CTGS53F-562J	5600	40	1.0	0.252M	1.30	72.000	0.038
CTGS53F-682J	6800	40	1.0	0.252M	1.20	80.000	0.034
CTGS53F-822J	8200	40	1.0	0.252M	1.00	92.000	0.030
CTGS53F-103J	10000	30	1.0	79.60K	0.95	110.000	0.027
CTGS53F-123J	12000	30	1.0	79.60K	0.85	148.000	0.025
CTGS53F-153J	15000	30	1.0	79.60K	0.80	168.000	0.020

PHYSICAL DIMENSIONS

